

Title (en)

Control device for vehicle lamp and vehicle lamp system

Title (de)

Steuervorrichtung für eine Fahrzeuglampe und Fahrzeuglampensystem

Title (fr)

Dispositif de commande pour phare de véhicule et système de phare de véhicule

Publication

EP 2664494 A3 20180425 (EN)

Application

EP 13167845 A 20130515

Priority

JP 2012113783 A 20120517

Abstract (en)

[origin: EP2664494A2] There is provided a control device for controlling a vehicle lamp (210). The device includes: a receiver (102) configured to receive an output value from an inclination sensor (110); and a controller (104) configured to control an optical axis (O) of the vehicle lamp (210) based on a vehicle attitude angle (γ_v) that is an inclination angle of the vehicle with respect to a road surface. The controller (104) is configured to control the optical axis in a first optical axis control mode or a second optical axis mode, wherein an optical axis angle (γ_o) of the optical axis is adjusted in accordance with the vehicle attitude angle (γ_v) in the first optical axis mode, and the second optical axis control mode is different from the first optical axis control mode. The controller (104) controls the optical axis in the second optical axis control mode, when the vehicle attitude angle (γ_v) is not included in a predetermined range (R1, R1').

IPC 8 full level

B60Q 1/10 (2006.01)

CPC (source: EP US)

B60Q 1/10 (2013.01 - EP US); **B60Q 2300/112** (2013.01 - EP US); **B60Q 2300/132** (2013.01 - EP US)

Citation (search report)

- [X] JP 2010143425 A 20100701 - KOITO MFG CO LTD
- [XA] JP 2011116201 A 20110616 - STANLEY ELECTRIC CO LTD
- [X] US 2004240218 A1 20041202 - HAYASHI KENJI [JP], et al

Cited by

DE112016006753B4; CN104648228A; EP3246205A4; US10676016B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2664494 A2 20131120; EP 2664494 A3 20180425; EP 2664494 B1 20191211; CN 103419710 A 20131204; CN 103419710 B 20151223; JP 2013241029 A 20131205; JP 6008573 B2 20161019; US 2013308326 A1 20131121; US 9050927 B2 20150609

DOCDB simple family (application)

EP 13167845 A 20130515; CN 201310181930 A 20130516; JP 2012113783 A 20120517; US 201313888644 A 20130507